FDOTSS3 CADD Software

FDOTSS3 Maintenance Release (MR) 1

FDOTSS3 MR1 contains updates necessitated by changes to Design Standards, Plans Preparation Manual (PPM), and the Basis of Estimates (BOE) as well as bug fixes to address reported issues.

FDOTSS3\Applications

Create Project	• Added new application to create FDOT project directories.
FDOTKeySheet	• Add room for JAN and JUL in the note referencing the specifications. • Removed the Description field located to the right of the Project Manager field from the Key Sheets.
FileChecker	• Removed tab and report listing of required ED files for Digital delivery projects.
LDM	• sbfldt.xlsx - Updated to match latest PPM.
MasterStandards.xlsx	• In an effort to consolidate notes and reflect notes shown in the PPM, several of the TXT files were removed and those remaining were renamed according to their use. • Template Updates: ○ Summary_of_Fencing - added missing fence options and corrected special fence pay item numbers
PEDDS	• Fixed issue with Partial Project Return Package processing.
XMLSigning	• Added new application to digitally sign a XML file.

FDOTSS3\CAiCE

CAiCE Feature Tables	• Change HNDRL from level 1052 to 1197.

FDOTSS3\GEOPAK

declarations.x	• Modified the text size settings to go with the XS cells in SS3.
exfeatures.x	• Corrected Sidewalk Component Sort code by changing by Designer counter from eccc to eswkc.
fdot form 700-050-01 area computations csv.xslt	• Updated with corrected code to bring in the Area ID's.
fdotss3.ddb	• Added Pavement Type adhoc to the asphalt items. Added Function adhoc to the miscellaneous asphalt item. • Moved Design Notes adhoc to the bottom of the list. • Replaced item for Inlet Protection System. Became corrupt, placing line style 50 times larger than it is supposed to. • Added new items for Thermo, Preformed, and Route Shields. Added missing fence options. • Added items for the thermoplastic, standard, pavement marking messages TO, NORTH, SOUTH, EAST, and WEST. (As noted in Estimates Bulletin 14-07). • Corrected the pay item structure for Auditory & Vibratory Pavement Markings. • Corrected the Computation Parameters for Painted GM Skip Striping. Set to Equation when it should have been changed to Standard Unit.

FDOTSS3.itl	• Removed the HFC from the Curb Median point properties on Face and Back of Curb. • Removed the Type E Curb vertical faces. • Changed the Traffic Separator point features underneath to Bottom_pm. • Revised PPM templates 3, 4, 5, 6, 6B for 7 foot bike lane. • Added PPM template 6B. • Added Parent SW to all the Hand Rail Test components. • Added SWITCHES components to NULL folder. • Renamed PGL CL folder to NULL. • Small change to the switch component; switch5 display rules was fixed.
FDOTSS3.xin	• Added symbology and created new preferences for labeling cross sections.
rdxssht.xssl	• Updated Cross Section Sheet Clipping file. • Updated sheet library settings to work with new cross section tools.
ROW_Display.xml	• Renamed for fdot_SS3 to ROW_Display for clarity.
Survey_Display.xml	• Renamed from fdot_SS3 to Survey_Display for clarity. • Revised category names.

FDOTSS3\MDLAPPS

Sheet Navigator	• Component names were formerly being determined by the name of the component folder containing the DGN file. Now the component name (and folder path) is being determined by the component as determined using the component logic rules in the SheetInfo.xml. So Drainage sheets will now be part of the Roadway component and a separate Excel file will not be generated for Drainage. • The sort order is now based on the Print Order and not the Sheet Number. • Fixed issues with drainage files being sorted and auto-numbered correctly.

FDOTSS3\Menus

Actions Menu	• Added menu option: Actions > Sheets > Key Sheets to include 'Key Sheets w/o Map' options.
Roadway Menu	• Added option for 'Cross Section Labeler VBA'.

FDOTSS3\Resources

Cells

Drain3D.cel	• Updated cell positions to be placed correctly.
PavementMarkings.cel	• Added Color Route Marker Pavement Marking cells. • Added the cells for NORTH, SOUTH, EAST, WEST, and TO along with their existing counterparts to be used with the new Route Marker cells.
Roadway.cel	• Updated note on key sheets referencing specifications note to add room for JAN and JUL. • Updated annotation scale options on cells. • Removed the cells DBCoordinate and DBCurve. These cells have been replaced with LDM templates. • Added NoteDrainMap. This note is a disclaimer to be placed on the Drainage Map Sheets. • Removed the 'Description' data field from the bottom right of all the key sheet cells. This description is not documented in the PPM. The 2 districts that do include a project description do not use this location.
Signalization.cel	• Dropped the nested cells in the 1 section 4 way signal head cell.
TrafficControl.cel	• Corrected the spelling for the word Pedestrian in the cell 660-1.
TTF_v8semi-standards.cel	• Made changes to table on index 5200.

TTF_v8structures.cel	• Changed note on drainage details.
TypicalSection.cel	• Removed the FHIS from the Typ Section. • Data Sheet

Control Files

ROADWAY.CTL	• Added new Roadway filename: RDTMRD - Proposed Digital Terrain Surface Models.

DGNLIB Libraries

FDOT_CivilFeatures_RD.dgnlib	• Deleted the CL with Stationing Feature. • Updated Fence Features to match updated DDB. • Removed embedded Element Templates. • Deleted levels that were embedded in the file.
FDOT_CivilFeatures_TC.dgnlib	• Removed embedded element templates and levels.
FDOT_CivilFeatures_TP.dgnlib	• Added features for the new Thermo, Preformed, Route Shields. • Removed embedded levels.
FDOT_CivilFeatures_UT.dgnlib	• Removed embedded levels and element templates.
fdot_common_levels.dgnlib	• Corrected 407 & 409 level names.
FDOT_ElementTemplates.dgnlib	• Revised Terrain Templates - Updated Existing and Proposed Terrain template levels and their component levels. Used SURVPN-CROSS- cell for High, Low, Vertices points. • Turned off Display Vertices Text.
FDOT_Intersections.dgnlib	• Deleted the Side Road Turnout1 Civil Cell. • Rebuilt the Side Road Turnout Civil Cell without the miscellaneous element.

FDOT_Styles.dgnlib	• Updated Key sheet labels to be able to have a dimlines in between begin/end project labels.
FDOT_SUDA_Feature_Defs.dgnlib	• Updated paths for features. • Removed embedded levels
FDOT_SurveyFeatures_RD.dgnlib	• Renamed survey feature definitions for clarity. • Attached updated Survey_Display.xml features. • Removed embedded levels.
FDOT_SurveyFeatures_RW.dgnlib	• Renamed survey feature definitions for clarity. • Removed embedded levels.
FDOT_Templates.dgnlib	• Revised PPM templates 3, 4, 5, 6, 6B for 7 foot bike lane.

fdot_v8_levels.dgnlib	• Updated Filters to match Standard Rules.
	• Added existing Profile Levels to the DSGNRD Standard Rule Filter.
	• Revised Level Filters:
	  o DREXRD, TOPORD, UTEXRD (Survey points & labels) - Removed 1093, 1146-1148.
	  o DTMRD - Removed 5027 (EaseLicLine), Added 6201 (XSGrdLine_ex)
	• Added the following DTM Levels:
	  o ContoursMajor 5401 Contour Lines Major (Proposed)
	  o ContoursMinor 5402 Contour Lines Minor (Proposed)
	  o DTM_ex 5414 Digital Terrain Model for Cross Sections (Existing)
	  o DTM_px 5404 Digital Terrain Model for Cross Sections (Proposed)
	  o DTMSource 5405 Digital Terrain, Source Feature (Proposed)
	  o DTMSource_ep 5415 Digital Terrain, Source Feature (Existing)
	  o DTMVertices 5407 Digital Terrain Model, Triangle Vertices (Proposed)
	  o DTMVertices_ep 5417 Digital Terrain Model, Triangle Vertices (Existing)
	  o FlowArrow 5408 Digital Terrain Model, Triangle Flow Arrows (Proposed)
	  o FlowArrow_ep 5418 Digital Terrain Model, Triangle Flow Arrows (Existing)

	- Correct Description & Renumbered Levels: - DTM 5403 Digital Terrain Model, TIN Model Elements (Proposed) - DTMBotMesh 5432 Bottom Surface TIN/DTM of the Proposed Corridor - DTMTopMesh 5433 Top Surface TIN/DTM of the Proposed Corridor - DTMTriangles 5406 DTM Triangles (Proposed) - Removed Levels: - ContourIndex_dp 6508 Contour Index and special contour info - ContoursMajor_dp 6510 Contour Lines Major - ContoursMinor_dp 6512 Contour Lines Minor - FlowArrow_dp 6550 Flow Arrow - Renumbered Levels: - ContourIndex_ep 5431 Contour Index (Existing) - ContoursMajor_ep 5411 Contour Lines Major (Existing) - ContoursMinor_ep 5412 Contour Lines Minor (Existing) - DTM_ep 5413 Digital Terrain Model, TIN Model Elements (Existing) - DTMTriangles_ep 5416 DTM Triangles (Existing) - Added GDTMRD filter. - Removed Level 1194 GroundShot_ep from standard rule and filter topord. - Updated all Level Filters.
FDOTtoolboxes.dgnlib	- Added selector tool to right-click and main task tools. - Added new right-click to GKLNRD file. - Added tools for Drainage Plans. - Updated cell scales.
survey_levels.dgnlib	Delete Handrail_ep (1052), add in its place Railing_ep (1197).

Text Files

genotes.txt	Changed general notes to project notes.

Seed Files

fdotseed3d.dgn	Removed embedded element templates and features.

FDOTSS3\VBA

FDOTNotes.xls	• Changed general notes to project notes.
FilterList.xls	• Added new filename: RDTMRD, Standards dtmrd.
Notesdb.txt	• Changed general notes to project notes.
DrainStructSummary.mvba	• Removed reference to Microsoft Windows Common Controls.
LabelShapesWithID.mvba	• Added Grouped Hole selection. • Fixed bug that would not set the FONT until the application was run a second time.
LoadVBA.mvba	• Error catch to allow for file open in a non FDOT project.
mergeLevel.mvba	• Added Model name. • Variable to isolate levels used in attached model. • Turns reference levels back on and sets the display to Off. • Added a column in the list box to indicate new levels are on. • Increase Right list box width. • Modified to turn off the reference levels that were copied into the design file and leave the rest on. • Modified to turn on the reference levels that were not copied into the design file and leave references that were turned off, off.
ReportOfCoreBorings.mvba	• Fixed cells coming in too large (12x).
Xslabeler.mvba	• Modified path to the XSSLaleler.xml file.
LevelByItem.mvba	• Added this VBA which sets the active level by element, then selects all elements on that level.

FDOTSS3\Workspace

RightOfWay.txt	• Renamed fdot_SS3rw to ROW_Display for clarity.
Roadway.txt	• Added "MS_CELL < $(_USTN_SYSTEMROOT)cell/" to get the animation tool working. • Updated folder path for SUDA dgnlibs.
SiteFdot.txt	• Added variable to load the Custom_PrintStyles.dgnlib. • Renamed fdot_SS3 to Survey_Dislplay for clarity.